Title (en)

LIBRARY PREPARATION OF TAGGED NUCLEIC ACID USING SINGLE TUBE ADD-ON PROTOCOL

Title (de)

HERSTELLUNG VON BIBLIOTHEKEN VON MARKIERTEN NUKLEINSÄUREN UNTER VERWENDUNG EINES HINZUFÜGEPROTOKOLLS MIT EINEM EINZIGEN RÖHRCHEN

Title (fr)

PRÉPARATION DE BIBLIOTHÈQUE D'ACIDE NUCLÉIQUE MARQUÉ À L'AIDE D'UN PROTOCOLE ADDITIF À L'AIDE D'UN TUBE UNIQUE

Publication

**EP 3161137 B1 20200513 (EN)**

Application

**EP 15744405 A 20150625**

Priority

- US 201462017786 P 20140626
- US 201462027198 P 20140721
- US 2015037653 W 20150625

Abstract (en)

[origin: US2015376608A1] A method of preparing a library of tagged nucleic acid fragments including contacting a population of cells directly with a lysis reagent having one or more protease to generate a cell lysate; inactivating the protease to generate an inactivated cell lysate, and applying a transposase and a transposon end composition containing a transferred strand to the inactivated cell lysate under conditions wherein the target nucleic acid and the transposon end composition undergo a transposition reaction.

IPC 8 full level

**C12N 15/10** (2006.01); **C12Q 1/68** (2018.01)

CPC (source: EP US)

**C12N 15/1003** (2013.01 - EP); **C12N 15/1065** (2013.01 - EP US); **C12N 15/1093** (2013.01 - EP US); **C12Q 1/6806** (2013.01 - EP US); C12N 15/1003 (2013.01 - US)

C-Set (source: EP US)

EP

**C12Q 1/6806** + **C12Q 2521/301** + **C12Q 2521/507** + **C12Q 2521/537** + **C12Q 2535/122**

US

**C12Q 1/6806** + **C12Q 2521/10** + **C12Q 2521/537** + **C12Q 2527/101**

Citation (examination)

- US 2004038213 A1 20040226 - KWON JAI W [US]
- WO 2013131962 A1 20130912 - ILLUMINA CAMBRIDGE LTD [GB]
- WO 2015189588 A1 20151217 - ILLUMINA CAMBRIDGE LTD [GB]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 10017759 B2 20180710**; **US 2015376608 A1 20151231**; AU 2015279862 A1 20170112; AU 2015279862 B2 20210715; CA 2953367 A1 20151230; CN 106795651 A 20170531; CN 106795651 B 20200522; CN 112210834 A 20210112; DK 3161137 T3 20200817; EP 3161137 A1 20170503; EP 3161137 B1 20200513; EP 3754020 A1 20201223; ES 2811518 T3 20210312; JP 2017519774 A 20170720; JP 6626848 B2 20191225; US 11085041 B2 20210810; US 2018355349 A1 20181213; US 2022090057 A1 20220324; WO 2015200609 A1 20151230; WO 2015200609 A9 20161013

DOCDB simple family (application)

**US 201514749562 A 20150624**; AU 2015279862 A 20150625; CA 2953367 A 20150625; CN 201580046283 A 20150625; CN 202010451081 A 20150625; DK 15744405 T 20150625; EP 15744405 A 20150625; EP 20172685 A 20150625; ES 15744405 T 20150625; JP 2016574392 A 20150625; US 2015037653 W 20150625; US 201816021886 A 20180628; US 202117373929 A 20210713